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Application Number	10/593,407
Filing Date	September 19, 2006
First Named Inventor	David P. Fairlie
Art Unit	1654
Examiner Name	Julie Ha
Attorney Docket Number	23558-023USNATL

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/J.H./		WO 00/001730	01-13-2000	A+ Science Invest AB		
↓		WO 04/067021	08-12-2004	Gardella, et al.		
		WO 95/031480	11-23-1995	S.P.I. Synthetic Peptides		
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/J.H./	B1	Barlow, D.J.: Thornton. <i>J. M. J. Mol. Biol.</i> 1988, 201,601	
	B2	Fairlie, D.; West, M.; Wong, A. <i>Curr. Med. Chem.</i> 1998, 5, 29	
	B3	Andrews, M. J. I.; Tabor, A. B. <i>Tetrahedron</i> 1999, 55, 11711	
	B4	Kussie, P. H.; Gorina, S.; Marechal, V.; Elenbaas, B.; Moreau, J.; <i>Science</i> 1996, 274, 948-953 pp. 1-9. Accessed 6/8/09.	
	B5	Burley, S. K.; Roeder, R.G. <i>Ann. Rev. Biochem.</i> 1996, 65, 769	
	B6	Uesugi, M.; Nyaguile, O.; Lu, H.; Levine, A. J.; Verdine, G. L. <i>Science</i> 1997, 277, 1310 pp. 1-6. Accessed 6/8/09.	
	B7	Sattler, M.; Liang, H.; Nettlesheim, D.; Meadows, R. P.; Harlan, J. E.; Eberstadt, M.; Yoon, H. S.; Shuker, S. B.; Chang, B. S.; Minn, A. J.; Thompson, C. B.; Fesik, S. W. <i>Science</i> 1997, 275, 983-986. pp. 1-6. Accessed 6/8/09.	
	B8	Tan, R.; Chen, L.; Buettner, J.A.; Hudson, D.; Frankel, A.D. <i>Cell</i> 1993, 73, 1031.	
	B9	Pabo, C. O.; Peisach, E.; Grant, R. A. <i>Annual Review of Biochemistry</i> 2001, 70, 313-340	
	B10	Weiss, M. A.; Narayana, N. <i>Biopolymers</i> 1998, 48, 167-180	
	B11	Botuyan, M. V.; Mer, G.; Yi, G.; Koth, C. M.; Case, D. A.; Edwards, A. M.; Chazin, W. J.; Arrowsmith, C. H. <i>J. Mol. Biol.</i> 2001, 312, 177-186	
	B12	Uesugi, M.; Nyaguile, O.; Lu, H.; Levine, A. J.; Verdine, G. L. <i>Science</i> 1997, 277, 1310-1313 duplicate of B6 above.	
	B13	Jin, L.; Briggs, S. L.; Chandrasekhar, S.; Chirgadze, N. V.; Clawson, D. K.; Schevitz, R. W.; Smiley, D. L.; Tashjian, A. H.; Zhang, F. <i>Journal of Biological Chemistry</i> 2000, 275, 27238-27244 Did not provide a copy.	
	B14	Schwyzler, R. <i>Biochemistry</i> 1986, 25, 1281-1286 Did not provide a copy.	
/J.H./	B15	Bennett, M. A.; Murray, T. F.; Aldrich, J. V. <i>Journal of Medicinal Chemistry</i> 2002, 45, 5617-5619	
	B16	Zaiou, M. Z.; Arnold, K. S.; Newhouse, Y. M.; Innerarity, T. L.; Weisgraber, K. H.; Segall, M. L.; Phillips, M. C.; Lund-Katz, S. <i>Journal of Lipid Reseach</i> 2000, 41, 1087-1095	
	B17	Kirby, D. A.; Koerber, S. C.; Craig, A. G.; Feinstein, R. D.; Delmas, L.; Brown, M. R.; Rivier, J. E. <i>Journal of Medicinal Chemistry</i> 1993, 36, 385-393	
	B18	Carpenter, K. A.; Schmidt, R.; Yue, S. Y.; Hodzic, L.; Pou, C.; Payza, K.; Godbout, C.; Brown, W.; Roberts, E. <i>Biochemistry</i> 1999, 38, 15295-15304	
	B19	Miranda, A.; Lahrichi, S. L.; Gulyas, J.; Koerber, S. C.; Craig, A. G.; Corrigan, A.; Rivier, C.; Vale, W.; Rivier, J. <i>Journal of Medicinal Chemistry</i> 1997, 40, 3651-3658	
	B20	Li, J. Z.; Matsuura, J. E.; Waugh, D. J. J.; Adrian, T. E.; Abel, P. W.; Manning, M. C.; Smith, D. D. <i>Journal of Medicinal Chemistry</i> 1997, 40, 3071-3076	
	B21	Nicole, P.; Lins, L.; Rouyer-Fessard, C.; Drouot, C.; Fulcrand, P.; Thomas, A.; Couvineau, A.; Martinez, J.; Brasseur, R.; Laburthe, M. <i>J Biol Chem</i> 2000, 275, 24003-24012	
/J.H./	B22	McInerney, E. M.; Rose, D. W.; Flynn, S. E.; Westin, S.; Mullen, T. M.; Krones, A.;	

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) (Use as many sheets as necessary)		Complete if Known			
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NON PATENT LITERATURE DOCUMENTS

/J.H./		Inostroza, J.; Torchia, J.; Nolte, R. T.; Assa-Mont, N.; Milburn, M. V.; Glass, C. K.; Rosenfeld, M. G. <i>Genes Dev</i> 1998 , 12, 3357-3368	
/J.H./	B23	Chang, C.; Norris, J. D.; Gron, H.; Paige, L. A.; Hamilton, P. T.; Kenan, D. J.; Fowlkes, D.; McDonnell, D. P. <i>Mol Cell Biol</i> 1999 , 19, 8226-8239	
	B24	Zimm, B.; Bragg, J. J. <i>Chem. Phys.</i> 1959 , 31, 526	
	B25	Scholtz, A.; Baldwin, R. L. <i>Annu. Rev. Biophys. Biomol. Struct.</i> 1992 , 21, 95	
	B26	Kemp, D.; Curran, T.; Boyd, J.; Allen, T. <i>J. Org. Chem.</i> 1991 , 56, 6683	
	B27	Muller, K.; Obrecht, D.; Knierzinger, A.; Stankovic, C.; Spiegler, C.; Bannwarth, W.; Trzeciak, A.; Englert, G.; Labhardt, A. M.; Schoenholzer, P. <i>Perspect. Med. Chem.</i> 1993 , 513	
	B28	Austin, R.; Maplestone, R. A.; Sefler, A. M.; Liu, K.; Hruzewicz, W. N.; Liu, C.; Cho, H. S.; Wemmer, D. E.; Bartlett, P. A. <i>J. Am. Chem. Soc.</i> 1997 , 119, 6461	
	B29	Aurora, R.; Rose, G. D. <i>Protein Science</i> 1998 , 7, 21	
	B30	Ghadiri, M. R.; Choi, C. <i>J. Am. Chem. Soc.</i> 1990 , 112, 1630	
	B31	Ruan, F.; Chen, Y.; Hopkins, P. B. <i>J. Am. Chem. Soc.</i> 1990 , 112, 9403	
	B32	Ghadiri, M. R.; Fernholz, H. J. <i>J. Am. Chem. Soc.</i> 1990 , 112, 9633	
	B33	Kohn, W. D.; Kay, C. M.; Sykes, B. D.; Hodges, R. S. <i>J. Am. Chem. Soc.</i> 1998 , 120, 1124	
	B34	Kelso, M. J.; Hoang, H.; Appleton, T. G.; Fairlie, D. P. <i>J. Am. Chem. Soc.</i> 2000 , 122, 10488	
	B35	Kelso, M. J.; Hoang, H. N.; Oliver, W. N.; Sokolenko, N.; March, D. R.; Appleton, T. G.; Fairlie, D. P. <i>Angew Chem, Int. Edit.</i> 2003 , 42, 421-424	
	B36	Rajashankar, K. R.; Ramakumar, S.; Jain, R. M.; Chauhan, V. S. <i>J. Am. Chem. Soc.</i> 1995 , 117, 10129	
	B37	Karle, I. L.; Balaram, P. <i>Biochem.</i> 1990 , 29, 6747	
	B38	Mayne, L.; Englander, S. W.; Qiu, R.; Yang, J.; Gong, Y.; Spek, E. J.; Kallenbach, N. R. <i>J. Am. Chem. Soc.</i> 1998 , 120, 10643	
	B39	Albert, J. S.; Hamilton, A. <i>Biochem.</i> 1995 , 34, 984	
	B40	Pellegrini, M.; Royo, M.; Chorev, M.; Mierke, D. F. <i>J. Pep. Res.</i> 1997 , 49, 404	
	B41	Jackson, D. Y.; King, D. S.; Chmielewski, J.; Singh, S.; Schultz, P. G. <i>J. Am. Chem. Soc.</i> 1991 , 113, 9391	
	B42	Cabezas, E.; Satterthwait, A. C. <i>J. Am. Chem. Soc.</i> 1999 , 121, 3862	
	B43	Taylor, J. W. <i>Biopolymers</i> 2002 , 66, 49	
	B44	Schievano, E.; Mammi, S.; Bisello, A.; Rosenblatt, M.; Chorev, M.; Peggion, E. J. <i>Pept. Sci.</i> 1999 , 5, 330	
	B45	Bracken, C.; Gulyas, J.; Taylor, J. W.; Baum, J. <i>J. Am. Chem. Soc.</i> 1994 , 116, 6431	
	B46	Phelan, J. C.; Skelton, N. J.; Braisted, A. C.; McDowell, R. S. <i>J. Am. Chem. Soc.</i> 1997 , 119, 455. (e) Taylor, J. W.; Yu, C. <i>Bioorg. Med. Chem.</i> 1999 , 7, 161	
/J.H./	B47	Chen, S.-T.; Chen, H.-J.; Yu, H.-M.; Wang, K.-T. <i>J. Chem. Res. (S)</i> 1993 , 228	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

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NON PATENT LITERATURE DOCUMENTS

/J.H./	B48	Osapay, G.; Taylor, J. W. <i>J. Am. Chem. Soc.</i> 1992 , 114, 6966	
	B49	Yu, C.; Taylor, J. W. <i>Tet Lett.</i> 1996 , 37, 1731	
	B50	Geistlinger T. R.; Guy, R. K. <i>J. Am. Chem. Soc.</i> 2001 , 123, 1525	
	B51	Schafmeister, C. E.; Po, J.; Verdine, G. L. <i>J. Am. Chem. Soc.</i> 2000 , 122, 5891	
	B52	Blackwell, H. E.; Sadowsky, J. D.; Howard, R. J.; Sampson, J. N.; Chao, J. A.; Steinmetz, W. E.; O'Leary, D. J.; Grubbs, R. H. <i>J. Org. Chem.</i> 2001 , 66, 5291	
	B53	Judice, J. K.; Tom, J. Y. K.; Huang, W.; Wrin, T.; Vennari, J.; Petropoulos, C. J.; McDowell, R. S. <i>Proc. Natl. Acad. Sci.</i> 1997 , 94, 13426	
	B54	Orner, B. P.; Ernst, J. T.; Hamilton, A. D. <i>J. Am. Chem. Soc.</i> 2001 , 123, 5382	
	B55	Kutzki, O.; Park, H. S.; Ernst, J. T.; Orner, B. P.; Yin, H.; Hamilton, A. D. <i>J. Am. Chem. Soc.</i> 2002 , 124, 11838	
	B56	Ernst, J. T.; Becerril, J.; Park, H. S.; Yin, H.; Hamilton, A. D. <i>Angew Chem. Int. Edit.</i> 2003 , 42, 535	
	B57	Kemp, D. S.; Curran, T. P.; Davis, W. M.; Boyd, J. G.; Muendel, C. <i>Journal of Organic Chemistry</i> 1991 , 56, 6672-6682	
	B58	Kemp, D. S.; Rothman, J. H. <i>Tetrahedron Letters</i> 1995 , 36, 4019-4022	
	B59	Kemp, D. S.; Rothman, J. H. <i>Tetrahedron Letters</i> 1995 , 36, 4023-4026	
	B60	Kemp, D. S.; Rothman, J. H.; Curran, T. C.; Blanchard, D. E. <i>Tetrahedron Letters</i> 1995 , 36, 3809-3812	
	B61	Kemp, D. S.; Rothman, J. H. <i>Tetrahedron Letters</i> 1995 , 36, 3813-3816	
	B62	Kahn, M.; Kim, H. O.; Urban, J.; Moleculonics Ltd.; United States, 1999, Vol. 5859184 Not NPL. This is US Patent No. 5,859,184.	
	B63	Cabezas, E.; Satterthwait, A. C. <i>J. Am. Chem. Soc.</i> 1999 , 121, 3862-3875. (hard copy supplied)	
	B64	Lyu, P. C.; Sherman, J. C.; Chen, A.; Kallenbach, N. R. <i>Proc. Natl. Acad. Sci. U. S. A.</i> 1991 , 88, 5317-5320	
	B65	Zhang, C.; Miller, W.; Valenzano, K. J.; Kyle, D. J. <i>Journal of Medicinal Chemistry</i> 2002 , 45, 5280-5286	
	B66	Garcia-Echeverria, C.; Chene, P.; Blommers, M. J. J.; Furet, P. <i>Journal of Medicinal Chemistry</i> 2000 , 43, 3205-3208	
	B67	Bryant, S. D.; Guerrini, R.; Salvadori, S.; Bianchi, C.; Tomatis, R.; Attila, M.; Lazarus, L. H. <i>Journal of Medicinal Chemistry</i> 1997 , 40, 2579-2587	
	B68	Leduc, A.; Trent, J. O.; Wittliff, J. L.; Bramlett, K. S.; Briggs, S. L.; Chirgadze, N. Y.; Wang, Y.; Burris, T. P.; Spatola, A. F. <i>Proc. Natl. Acad. Sci. U. S. A.</i> 2003 , 100, 11273-11278	
	B69	Houston, M. E.; Gannon, C. L.; Kay, C. M.; Hodges, R. S. <i>Journal of Peptide Science</i> 1995 , 1, 274-282	
	B70	Tian, Y.; Ramesh, C. V.; Ma, X.; Naqvi, S.; Patel, T.; Cenizal, T.; Tiscione, M.; Diaz, K.; Crea, T.; Arnold, E.; Arnold, G. F.; Taylor, J. W. <i>Journal of Peptide Research</i> 2002 , 59, 264-276	
	B71	Blackwell, H. E.; Grubbs, R. H. <i>Angewandte Chemie-International Edition</i> 1998 , 37, 3281-3284	
/J.H./	B72	Fairlie DP, Abbenante G, March DR: Macrocyclic peptidomimetics - forcing peptides	

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NON PATENT LITERATURE DOCUMENTS

/J.H./		into bioactive conformations. <i>Curr. Med. Chem.</i> 1995 , 2: 654-686	
/J.H./	B73	Stradley, S.; Rizo, J.; Bruch, M.; Stroup, A.; Gierasch, L. Biopolymers, 1990 , 29, 263	
	B74	Toniolo, C. <i>Int. J. Peptide Protein Res.</i> 1990 , 35, 287 No translation provided.	
/J.H./	B75	Schiller, P. W. in Medicinal Chemistry for the 21st Century, Wermuth, C. G. (ed.) IUPAC/Blackwell, London, 1992 , pp. 215-232	
	B76	Kemp, D. S. in Medicinal Chemistry for the 21st Century, Wermuth, C. G. (ed.) IUPAC/Blackwell, London, 1992 , pp. 259-277	
	B77	Kessler, H.; Diefenbach, B.; Finsinger, D.; Geyer, A.; Gurrath, M.; Goodman, S. L.; Hoelzemann, G.; Haubner, R.; Jonczyk, A. <i>Lett. Pept. Sci.</i> 1995 , 2, 155	
	B78	Marraud, M.; Aubry, A. <i>Biopolymers</i> 1996 , 40, 45	
	B79	X.-M.Cheng, S, S. Nikam, Doherty, A. M. <i>Curr. Med. Chem.</i> 1994 , 1, 271	
	B80	Holzemann, G. <i>Kontakte (Darmstadt)</i> 1991 , 1, 3-12; 2, 55	
	B81	Zhang LH, Pesti JA, Costello TD, Sheeran PJ, Uyeda R, Ma P, Kauffman GS, Ward R, McMillan JL: An efficient synthesis of cyclic RGD peptides as antithrombotic agents. <i>J. Org. Chem.</i> 1996 , 61:5180-5185	
	B82	Haubner R, Finsinger D, Kessler H: Stereoisomeric peptide libraries and peptidomimetics for designing selective inhibitors of the D v03 integrin for a new cancer therapy. <i>Angew. Chem., Int. Ed. Engl.</i> 1997 , 36:1374-1389	
	B83	White HD: Unmet therapeutic needs in the management of acute ischemia. <i>Am. J. Cardiology</i> 1997 , 80:B2-B10	
	B84	Finch, A. M.; Wong, A. K.; Wadi, S. K.; Paczkowski, N. J.; Fairlie, D. P.; Taylor, S. M. Low Molecular Weight Peptidic and Cyclic Antagonists of the Receptor for the Complement Factor C5a, <i>J. Med. Chem.</i> 1999 , 42, 1965-1974	
	B85	McDonnel PA, Caldwell GW, Leo GC, Podlogar BL, Maryanoff BE: NMR three dimensional solution structure of the serine protease inhibitor cyclotheonamide A. <i>Biopolymers</i> 1997 , 41: 349-358	
	B86	Osapay, G., Taylor, J.W., <i>J. Am. Chem. Soc.</i> , 1990 , 112, 6046-6051	
	B87	Condon, S.M. <i>et. al.</i> , <i>J. Am. Chem. Soc.</i> , 2000 , 112, 3007-3014	
	B88	Calo, G.; Guerrini, R.; Salvadori, S.; Regoli, D. <i>Brit. J. Pharmacol.</i> 2000 , 129:1261-83	
/J.H./	B89	Reinscheid, R.K.; Ardati, A.; Monsma Jr, F.J.; Civelli, O. <i>J. Biol. Chem.</i> 1996 , 24(14): 14163-68	
	B90	Salvadori, S.; Picone, D.; Tancrèdi, F.; Guerrini, R.; Spadacini, R.; Lazarus, L.H.; Regoli, D.; Temussi, P.A. <i>Biochem. Biophys. Res. Comm.</i> 1997 , 233:640-643 No copy.	
	B91	Marqusee, S.; Baldwin, R.L., <i>Proc. Natl. Acad. Sci. USA</i> , 1987 , 84, 8898-8902 No copy.	
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